

INTEGRATED RURAL ENERGY PROGRAMME

The objective of the programmes under this sector is to prepare and implement area based Integrated Rural Energy Programmes through which the optimum mix of all type of energy sources is utilised for meeting the energy needs of rural people for subsistence and productive purposes. As the conventional fuel cost is increasing day by day, it becomes inevitable to exploit alternative energy sources which are commercially viable and environmentally friendly in a big way. The best way to approach this problem is to popularise the use of Non-Conventional Energy Sources like Solar wind, Bio energy and the devices such as Solar Water Heating System, Solar Cooker, Solar Street Light & Bio-mass plant etc. District level energy plan would be prepared for Pondicherry and Karaikal with particular reference to Renewable Energy. These plans will bring out the energy scenario in each district and lead to identification of energy starved rural areas.

The programmes will focus to take up a Pilot Programme on promotion of Bio-energy plantation and Bio-fuel extraction since in recent years efforts are being made to explore plant based fuel resources as a supplement or substitute for fossil fuel. The bio fuels are renewables and are environmentally safe. This pilot project is implemented by involving Self Help Groups / Youth groups in rural areas and necessary awareness campaign and training programme are conducted on nursery management, cultivation and oil extraction process. Government has approved for establishing a separate Agency called as Renewable Energy Agency of Pondicherry (REAP) in the Annual Plan 2005-06.

OUTLAY AT A GLANCE

Sector : INTEGRATED RURAL ENERGY PROGRAMME

No. of Schemes : 5

Department : RURAL DEVELOPMENT

(Rs. in lakh)

Tenth Plan 2002-07 Approved Outlay	:	40.00
Annual Plan 2004-05 Actual Expenditure	:	5.00
Annual Plan 2005-06 Approved Outlay	:	40.00
Annual Plan 2005-06 Revised Outlay	:	40.00
Annual Plan 2006-07 Proposed Outlay	:	100.00

(Rs. in
lakh)

Sl. No.	Name of the Scheme	2004-05	2005-06		2006-07
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
1.	Maintenance of Rural Energy Cell	2.00	6.00	14.00	20.00
2.	Subsidy for various energy conserving devices	--	14.00	14.00	10.00
3.	New Sources of Energy	--	3.00	3.00	10.00
4.	Promotion of Bio-Energy Plantation and Bio fuel extraction	3.00	17.00	9.00	10.00
5.	Energy Education Park	--	--	--	50.00
Total		5.00	40.00	40.00	100.00

Scheme No. 1

Sector : INTEGRATED RURAL ENERGY
PROGRAMME

Implementing
Department : RURAL DEVELOPMENT

1. **Name of the Scheme** : Maintenance of Rural Energy Cell

2. **Objective of the Scheme** :

To create awareness on the usage of Renewable Energy Sources. Planning & implementation of renewable Energy Programme & to ensure regular and planned flow of energy inputs for meeting the requirements of various end users in the Union Territory. To meet the expenditure in connection with the maintenance of existing rural energy cell.

3.(a) **Actual physical Achievement 2004-05 :**

Training and extension including publicity on Energy Programme Workshop on Solar Passive Architecture.

(b) **Anticipated Physical Achievement 2005-06 :**

- i. Celebration of Renewable Energy day on 20th August 2005
- ii. Conduct of Exhibition floating of tableau in Republic Day 2006.
- iii. Conducted Conference on Renewable Energy.

(c) **Programme envisaged for Annual Plan 2006-07 :**

Energy Programme will be implemented for meeting the energy needs of rural people for subsistence & productive purpose. It is proposed to establish a separate Agency for implementation of Renewable Energy Programme and it is named as Renewable Energy Agency of Pondicherry (REAP).

District Advisory Committee will assist the Central and State Govt. in Planning & Monitoring Renewable Energy Programme to a greater Extent.

Purchase of Four Wheeler – 1 No.

4. **Remarks** : Continuing scheme

Scheme No. 2

Sector : INTEGRATED RURAL ENERGY
PROGRAMME

Implementing
Department : RURAL DEVELOPMENT

1. **Name of the Scheme** : Subsidy for various Energy Conserving Devices

2. **Objective of the Scheme** :

Distribution of various energy conserving devices at subsidised rates for fulfilling energy needs and saving energy.

3.(a) **Actual physical Achievement 2004-05 :**

Smokeless Chulha - 7050 Nos.

Compact Fluorescent Lamp	-	1976	Nos.
100KW Biomass Gasifier	-	1	Nos.
Biomass Crematorium	-	1	Nos.
Night soil Bio gas plant	-	1	Nos.

(b) Anticipated Physical Achievement 2005-06 :

Smokeless Chulha	-	5000	Nos.
Compact Fluorescent Lamp	-	1000	Nos.
CFL Street Light	-	20	Nos.
Nuton Stove	-	1000	Nos.
Community Chulha	-	20	Nos.
Family size Bio gas Plant	-	10	Nos.

(c) Programme envisaged for Annual Plan 2006-07 :

Improved Chulha	-	6000	Nos.
Compact Fluorescent Lamp	-	2,000	Nos.
CFL Street Light	-	100	Nos.
Nuton Stove	-	1,000	Nos.
Family size Biogas Plant	-	10	Nos.
Community Chulha	-	20	Nos.
Mud Pot Cooler	-	100	Nos.

4. Remarks : Continuing scheme

Pattern of subsidy :

- Rs.1,800/- per cum subsidy for small Biogas Plant to public.
- 50% for smokeless chulha
- 30% subsidy for community chulha
- 50% subsidy for Mud Pot Cooler.
- 50% subsidy for Nutan stove for all BPL families.
- For Govt. department/Institution the Energy devices will be installed at free of cost.
- It is also proposed to install biomass gasifier for cooking purpose in Govt. institutions.

Scheme No. 3

Sector : INTEGRATED RURAL ENERGY PROGRAMME
 Implementing Department : RURAL DEVELOPMENT

1. Name of the Scheme : New Sources of Energy

2. Objective of the Scheme :

To propagate to the use of Non Conventional Energy Devices relating to Solar / Wind and Biomass. It is also proposed to grant 5% subsidy for battery operated vehicles considering it eco-friendly nature.

3.(a) Actual physical Achievement 2004-05 :

Solar Water Heating System	:	7000	LPD
Solar Lantern	:	50	Nos.

5% subsidy for the purchase of Battery Operated Vehicles	:	16	Nos.
CFL Street Light	:	100	Nos

(b) Anticipated Physical Achievement 2005-06 :

Solar Water Heating System	:	7000	LPD
Solar Lantern	:	50	Nos.
Solar Home Light	:	15	Nos.

(c) Programme envisaged for Annual Plan 2006-07 :

Solar Water Heating System	:	10000	LPD
Solar Lantern	:	50	Nos.
5% subsidy for the purchase of Battery Operated Vehicles	:	5	Nos.

4. Remarks : Continuing scheme

Pattern of subsidy :

It is proposed to grant Rs.5,000/- per 100 LPD with a maximum of Rs.20,000/- for 500 LPD for the installation of Solar Water Heating System to Commercial/Private Institutions. It is also proposed to grant 5% subsidy maximum of Rs.15,000/- for Battery Operated Vehicle and Rs.5,000/- additional subsidy for those who purchase for the vehicles with battery charger for operating in rural areas. 50% subsidy to Solar Cooker & Solar Lantern.

Scheme No. 4

Sector : INTEGRATED RURAL ENERGY PROGRAMME
Implementing Department : RURAL DEVELOPMENT

1. Name of the Scheme : Promotion of Bio Energy Plantation and Bio-fuel Extraction

2. Objective of the Scheme :

To promote the plantation of Oil Seed yielding plants / trees. To plant one lakh seedlings in Poromboke lands, Industrial areas (vacant site), all along the canals, lake bunds, road sides, coastal areas, low fertile areas.

To involve local communities especially women Self Help Groups and Youth groups in nursery raising and plantation activities and generation of employment.

To train the local communities and in cultivation of oil extraction. Process and organizing awareness campaign on uses of Bio-diesel which is eco-friendly substitute for fossil fuel.

3.(a) Actual physical Achievement 2004-05 :

Preliminary works were taken up for raising nursery.

(b) Anticipated Physical Achievement 2005-06 :

- i. Raising 50,000 seedlings & Planting in 50 acres.
- ii. Involving Self Help Group in Nursery rearing Plantation etc.
- iii. Supply of seedlings at 50% subsidy.

(c) Programme envisaged for Annual Plan 2006-07 :

- i. Raising seedlings - 50,000 nos. Area cover 50 acre.
- ii. Bio diesel Extracts Unit – 1
- iii. Infrastructure facilities for the unit.

4. Remarks : New scheme

Pattern of subsidy :

It is proposed to supply the seedlings to the farmers / entrepreneurs at 50% subsidized rate. The seedlings will be sold through Self Help Groups. Further, the farmers will be granted with subsidy for plantation and maintenance activities as detailed below:

1. First Year : Rs.5,000/- per acre
2. Second Year : Rs.3,000/- per acre
3. Third Year : Rs.3,000/- per acre

Scheme No. 5

Sector : INTEGRATED RURAL ENERGY PROGRAMME
Implementing Department : RURAL DEVELOPMENT

1. Name of the Scheme : Energy Education Park

2. Objective of the Scheme :

To create awareness and give publicity among the students, teacher, rural and urban masses to the extent possible about the use and benefits and renewable energy systems and devices.

3.(a) Actual physical Achievement 2004-05 : --

(b) Anticipated Physical Achievement 2005-06 :

Detailed Project Report will be prepared and submitted to Government of India.

(c) Programme envisaged for Annual Plan 2006-07 :

Proposed to establish state level Energy Park in Pondicherry.

4. Remarks : New scheme

Pattern of subsidy :

It is proposed to implement the scheme by availing Financial Assistance maximum of Rs.1.00 crore from Ministry of Non Conventional Energy Sources, and the balance will be met out under State Budget.